

GOAL #2: Protecting America's Waters		Program #4500: Surface Water Regulation	
Objective 2.2: Protect & Restore Watersheds & Aquatic Ecosystems			
TASK 1.3.7: 305(b) Water Quality Assessment Report and 303(d) List			
Develop Integrated Report and list of impaired waters.			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/STAFF
PPG NPS in PPG	1) Finaize 2012-2014 305(b) Integrated Report and 303(d)-List. a) 45-day AAR Notice begins b) Submit 303(d) List to EPA for approval Goal 1, obj. a, strategy i	T = a) 7/1/14 12/5/14 b) 9/26/14 2/2/15	Surface Water
PPG NPS in PPG	2) Identify waters that were either delisted or showing water quality improvements as candidates for SP-12 or W-10 success stories. Improvements in both nonpoint and point sources will be evaluated. a) Develop list of candidate waters b) Draft success stories and submit to EPA Goal 4, obj. a, strategy i; Goal 4, obj. b, strategy i	T = a) 12/14 b) 6/15	Surface Water
PPG NPS in PPG	3) Begin 2016 305(b)/303(d) Report/List. Goal 1, obj. a, strategy i	T = 4/16	Surface Water

1.3.7 - FTE Funding Source	FTE	Personnel	ERE	Indirect	Total
NPS in PPG	0.62	31,459	13,842	21,269	66,570
PPG	0.56	30,098	13,243	20,349	63,690
TOTALS	1.18	61,557	27,086	41,617	130,260

GOAL #2: Protecting America's Waters Objective 2.2: Protect & Restore Watersheds & Aquatic Ecosystems		Program #4500: Surface Water Regulation	
<p>TASK 1.3.8: TMDL Development and Implementation</p> <p>Develop TMDL studies and implementation plans to improve surface water quality. Conduct effectiveness monitoring to determine improvements in water quality after BMPs have been implemented.</p> <p>DELIVERABLES:</p>			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
PPG NPS in PPG	1) TMDL Reports a) Submit 6 TMDL reports to EPA for final approval by June 2015. b) Complete 1 st (30 day) public notice for 5 additional TMDLs by June 2015; (<i>Refer to Table I - TMDL Development.</i>) Goal 1, obj. c, strategy i	T = Semi-Annual Status Table Updates	Surface Water
PPG NPS in PPG	2) Continuing data collection and analysis for TMDL development. Target is 17 TMDLs on 7 waterbody segments; (<i>Refer to Table II - Continued TMDL Development.</i>) Goal 1, obj. c, strategy i	T = Semi-Annual Status Table Updates	Surface Water
PPG NPS in PPG	3) Conduct effectiveness monitoring. a) Monitor the remedial activities on 3 Measure W waterbodies. b) Support WQIG Unit efforts to conduct BMP evaluations of past 319 projects as discussed in Task 1.3.9 #7. c) Coordinate with WQIG Unit to track progress in meeting WQD Performance Measure on 5 waters. d) Coordinate with NRCS to conduct effectiveness monitoring on NWQI watershed; (<i>Refer to Table 3 - Effectiveness Monitoring.</i>) Goal 4, obj. a, strategies i & ii	T = Semi-Annual Status Table Updates	Surface Water
PPG NPS in PPG	4) Develop TMDL implementation plans. a) Complete 1 TMDL implementation plan b) Determine status of Phoenix Area Urban Lake Management Plans e) Support and participate in updating existing WIPs and development of Santa Cruz WIP (<i>Refer to Table 4 - Implementation Plans, Task 1.3.9 #4</i>) Goal 1, obj. c, strategies ii & iii	T = Semi-Annual Status Table Updates	Surface Water

GOAL #2: Protecting America's Waters Objective 2.2: Protect & Restore Watersheds & Aquatic Ecosystems		Program #4500: Surface Water Regulation	
TASK 1.3.8: TMDL Development and Implementation (Cont'd)			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
PPG	5) Coordinating Efforts with EPA a) TMDL staff will participate in monthly conference calls to discuss TMDL development, implementation and effectiveness monitoring results. TMDL staff will join EPA Management, ADEQ Management and Planning Staff on a separate quarterly call to discuss budget related issues (see Task 1.5.2, Deliverable 3c). b) Staff will participate in testing of FY 16 Pilot Measure with EPA headquarters and R9.	T = Monthly	Surface Water
	6) Continue to implement TMDL/319 Kaizen and TMDL and Assessment Unit Staff Workout action items. Duplicate reporting, see 1.3.9 #8	T = Provide EPA with quarterly GSD updates	Surface Water

1.3.8 - FTE Funding Source	FTE	Personnel	ERE	Indirect	Total
WQFF-AZPDES NPS in PPG {Match}	0.04	2,533	1,115	1,713	5,360
PPG	0.48	31,082	13,676	21,014	65,772
NPS in PPG	2.70	146,746	64,568	99,212	310,526
WQARF NPS in PPG (Match)	0.66	28,384	12,489	19,190	60,063
Contract: TMDL Sampling (WQARF)					34,000
Contract: TMDL Sampling (PPG)					35,000
Contract: TMDL Sampling (NPS in PPG)					10,000
Contract: TMDL Sampling (NPS P&A Base)					24,000
Contract: TMDL Sampling (NPS P&A Incre)					6,000
TOTALS	3.88	208,745	91,848	141,129	550,721

TMDL Projects Quarterly Status
1.3.8 Table 1 – TMDL Development Project Completion by June 2015

Segment (impairment)	Milestone (target)	Actual/Comments
Watson Lake (nutrients, high pH, low D.O.)	45-day AAR Notice begins (12/12/14) 45-day AAR Notice ends (1/26/15) Submit final report to EPA (2/7/15)	
Granite Creek- headwaters to Willow Creek (Low D.O., <i>E. coli</i>)	30-day public comment period ends (11/12/15) 45-day AAR Notice begins (3/6/15) Submit final report to EPA (5/4/15)	
Miller Creek (<i>E. coli</i>)	Same schedule as Granite Creek <i>E. coli</i> TMDL	
Manzanita Creek (<i>E. coli</i>)	Same schedule as Granite Creek <i>E. coli</i> TMDL	
Butte Creek (<i>E. coli</i>)	Same schedule as Granite Creek <i>E. coli</i> TMDL	
Lyman Lake (Hg in fish tissue)	Complete Data Summary Report (10/1/14)	
Alamo Lake (Hg in fish tissue)	Complete Data Summary Report (2/27/15)	
Parker Canyon	Finalize Data Summary Report (12/19/14)	
Queen Creek- headwaters to Superior WWTP (Cu, Pb)	Public Comment Period begins (3/6/15) 45-day AAR Notice begins (1/15/15)	
Queen Creek- Superior WWTP to Potts Canyon (Cu)	Same schedule as Queen Creek	
Queen Creek- Potts Canyon to Whitlow Dam (Cu)	Same schedule as Queen Creek	
Arnett Creek- Headwaters to Queen Creek (Cu)	Same schedule as Queen Creek	
Unnamed Trib to Queen Creek (-991) (Cu)	Same schedule as Queen Creek	
Unnamed Trib to Queen Creek (-1843) (Cu)	Same schedule as Queen Creek	
Unnamed Trib to Queen Creek (-472) (Cu)	Same schedule as Queen Creek	
Pinto Creek- headwaters to Ripper Spring* (Cu)	Complete Draft TMDL Report (12/5/14) Public comment period begins (2/2/15) 45-day AAR Notice begins (5/29/15)	
Pinto Creek- Ripper Spring to Roosevelt Lake* (Cu)	Same schedule Pinto Creek above	
Gibson Mine Tributary - Headwaters to Pinto Creek* (Cu)	Same schedule Pinto Creek above	
Five Point Mountain- Headwaters to Pinto Creek* (Cu)	Same schedule Pinto Creek above	
Gila River-Centennial Wash to Gillespie Dam (Se, B)	Public comment period begins (12/8/14) 45-day AAR Notice begins (4/17/15)	

*completion dependent upon adoption of Pinto Creek site specific copper standard

TMDL Projects Quarterly Status
1.3.8 Table 2 – Continued TMDL Analysis and Development

Segment	Impairment	Purpose	Comments
Mule Gulch- headwaters to Above Lavender Pit	Cu	Coordinated monitoring with FMI to determine current WQ status	
Mule Gulch- Above Lavender Pit to Bisbee WWTP	Cu, pH	Coordinated monitoring with FMI to determine current WQ status	
Mule Gulch- WWTP to Highway Bridge	Cd, Cu, pH, Zn	Coordinated monitoring with FMI to determine current WQ status	
Brewery Gulch- headwaters to Mule Gulch	pH, Cu	Coordinated monitoring with FMI to determine current WQ status	
Gila River-Coyote Wash to Fortuna Wash	Se, B	Complete delist report (9/1/14)	
East Verde River-American Gulch to Verde River	As	Complete draft TMDL or delist report (10/1/14)	
Big Bug Creek Watershed Project	Metals	Complete data summary report (12/31/14)	
Santa Cruz River WIP (includes 3 impaired reaches)	<i>E. coli</i>	Monitor as needed to support development of WIP	

TMDL Projects Quarterly Status
1.3.8 Table 3 – Effectiveness Monitoring

Segment	Impairment	Purpose	Comments
Boulder Creek	As, Cu, Zn	Measure W/WQD PM	
Pinto Creek	Cu	Measure W/WQD PM	
Turkey Creek	Cu, Pb	Measure W/WQD PM	
Tonto and Christopher Creeks	Nitrogen and <i>E. coli</i>	WQD PM	
Upper Little Colorado River	Turbidity	WQD PM/NWQI	
San Pedro NWQI watershed	<i>E. coli</i>	NWQI	
Additional WQD PM waters as warranted		WQD PM	

Measure W- 2002 Baseline Waters

WQD PM- Water Quality Division Performance Measure

NWQI- NRCS National Water Quality Initiative

TMDL Projects Quarterly Status
1.3.8 Table 4 –Implementation Plans

Segment	Comments
Determine status of Phoenix Area Urban Lake Management Plans- develop or implement as needed	
Queen Creek (multiple reaches, 1 TIP)	

GOAL #2: Protecting America's Waters		Program #4500: Surface Water Regulation	
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TASK 1.3.9: NPS Base Program Management and 319(h) Project Management			
Plan, manage and implement a Nonpoint Source Pollution Program, including the development of watershed management and watershed implementation plans.			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/STAFF
NPS in PPG	1) Provide technical support to watershed groups and other entities to address NPS pollutant impacts and conduct education/outreach efforts to increase public awareness of NPS impacts to surface and groundwater resources. a) Statewide: Participate in education events to present on nonpoint source issues upon request. Provide ADEQ data/assistance with data interpretation and address public questions or concerns as requested. b) Targeted Watersheds: Partner with other state and federal programs to provide watershed-specific education about BMPs that both protect water quality and provide other benefits to land owners/managers. c) Provide maps and GIS assistance to internal and external customers assisting with local sampling and volunteer training efforts. Goal 1, obj b; Goal 3, obj b; Goal 4, obj a, strategy i;	T = As requested a) T = As requested b) T = 5/15 c) T = As requested	Surface Water
NPS in PPG	2) Provide oversight of existing partnership agreements with other state and Federal agencies. Update as necessary to better reflect NPS Management Plan goals. FY14 efforts will focus on: a) Coordinating with NRCS to conduct effectiveness monitoring in NWQI watersheds and update target watershed recommendations as needed. (Also see Task 1.3.8) b) Coordinate with ADOA and ASLD on the Hillside Mine lower tailings pile remediation project. i) MOU ii) Access agreements iii) Design phase iv) Construction phase c) Updating existing MOU with Arizona Game & Fish Goal 2, obj a, strategy vii; Goal 3, obj c, strategy i	T = a) Ongoing b) Ongoing c) 9/14	Surface Water

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TASK 1.3.9: NPS Base Program Management and 319(h) Project Management (Cont'd)			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
NPS in PPG	3) Update the Impaired Waters Improvement Table to reflect the most recent assessment and listing information, funding priorities and partnerships. Goal 1, obj b, strategy i; Goal 4, obj b, strategy i	T = 9/14	Surface Water
NPS in PPG	4) Watershed Planning and Implementation (Refer to Table 1.3.9: Status of Targeted Watershed Activities.) a) Santa Cruz watershed plan development i) Finalize sampling plan with WIC ii) Initiate preliminary watershed surveys and data collection activities iii) Initial draft of watershed plan submitted to EPA for comment b) Granite Creek watershed plan update i) Submit draft update to EPA for comment ii) Submit final update to EPA for approval 4a: Goal 1, obj c, strategy ii; 4b: Goal 1, obj c, strategy iii	T = ai) 7/14 aii) 8/14 aiii) 6/15 bi) 4/15 bii) 6/15	Surface Water
NPS Proj 24 PPG	5) Solicit, evaluate and select WQIG applications. a) WQIG Cycle 15 i) Technical Review and applicant presentations ii) Final evaluation and funding recommendations iii) Develop and execute grant agreements iv) Perform preliminary site visits and collect data to assess pre-implementation site and water quality conditions b) WQIG Cycle 16 i) Conduct scoping meetings in targeted watersheds to encourage the development of WIP implementation projects. ii) Release Cycle 16 RFGA iii) Develop and conduct grant workshops and other types of outreach for grants, including providing technical assistance and training to improve the quality of grant proposal submissions Goal 2, obj b, strategy i; Goal 3, obj b, strategy i; Goal 3, obj b, strategy ii	T = ai) 7/14 aii) 8/14 aiii) 9/14 aiv) 10/14 bi) 4/15 bii) 5/15 biii) 6/15	Surface Water Director

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TASK 1.3.9: NPS Base Program Management and 319(h) Project Management (Cont'd)			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/STAFF
NPS in PPG	6) Oversee previously awarded 319 projects and contracts. a) Approve reporting and reimbursement requests for active projects. b) Oversee UA contracts to: i) Conduct watershed modeling to assist in identifying WQIP subwatersheds. ii) Provide technical and educational support to targeted watersheds and assist in WQIP and Volunteer Monitoring Program development. iii) Provide load reduction data for WQIG projects addressing nitrogen, phosphorus and sediment issues, as well as other load reduction estimates as applicable. Goal 2, obj b, strategy ii; Goal 3, obj b, strategies i & ii; Goal 4, obj b, strategy i	T = a) Ongoing bi) 9/14 bii) 6/15 biii) 2/15	Surface Water
NPS in PPG	7) Coordinate with TMDL Unit to conduct BMP effectiveness evaluations and monitoring on past WQIG projects. (For additional information see Task 1.3.8 #3.) a) Develop list of projects and associated monitoring needs for FY15 based on waters identified in Task 1.3.8 Table 3; initiate evaluations. b) Coordinate with TMDL Unit to track progress in meeting WQD Performance Measure on 5 waters. Goal 4, obj a, strategy i	T = a) T= semi-annual table updates b) 6/15	Surface Water
	8) Continue to Implement TMDL/319 Kaizen and Grants & Outreach Unit Staff Workout action items. Goal 1, obj b, strategy i; Goal 1, obj c, strategy ii; Goal 3, obj b, strategy i; Goal 3, obj b, strategy iii	T = Provide EPA with quarterly updates	Surface Water

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TASK 1.3.9: NPS Base Program Management and 319(h) Project Management (Cont’d)			
DELIVERABLES:			
GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY (CUMULATIVE) T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
NPS PA I PPG	9) Report on NPS program progress and successes. a) Submit annual NPS report in accordance with EPA’s annual reporting requirements outlined in NPS Program and Grants Guidelines for States & Territories. i) Submit draft for EPA review and comment ii) Submit final report b) Participate in monthly teleconferences with EPA Region 9 to discuss NPS program activities. c) Coordinate with TMDL Unit to document success of implementation in Measure W watersheds (see Task 1.3.8 # 3). d) Report project activities and input load reduction information into GRTS database. i) Input load reduction data for federal FY15 implementation projects into GRTS ii) Input all mandated elements for FY 15-awarded projects into GRTS; upload final reports for all projects closed out during FY15. iii) Attend annual GRTS meeting and regional GRTS training (as scheduled). Goal 4, obj. b	T = ai) 7/14 aii) 9/14 b) Monthly c) Semi-annual table updates. di) 2/15 dii) 6/15 diii) As scheduled	Surface Water

1.3.9 - FTE Funding Source	FTE	Personnel	ERE	Indirect	Total
NPS in PPG	4.77	237,447	104,477	160,533	502,457
NPS P&A (Base)	0.15	8,395	3,694	5,676	17,764
NPS Proj 24	0.25	13,991	6,156	9,459	29,606
WQARF NPS in PPG (Match)	1.25	62,500	27,500	42,255	132,255
PPG	0.50	18,924	8,327	12,794	40,045
Aid to Orgs: NPS Projects (NPS Proj 25)					1,247,500
Santa Cruz Watershed (NPS Proj 25)					20,000
TOTALS	6.92	341,257	150,153	230,717	1,989,626

1.3.9 STATUS OF TARGETED WATERSHED ACTIVITIES

Targeted Watershed & Pollutant(s) of Concern	Projects	Project Exp. Date	Project Status & Comments
Santa Cruz River Watershed Nogales Wash (Mexico border to Potrero Creek) - ammonia, chlorine, dissolved copper, <i>E. coli</i> Potrero Creek (I19 to SC River) – dissolved oxygen, <i>E. coli</i> SC River (Nogales WWTP to Josephine Canyon) – ammonia, <i>E. coli</i> SC River (Josephine Canyon to Tubac Bridge) – ammonia, <i>E. coli</i>	Watershed plan development		
Granite Creek Watershed Granite Creek (Headwaters to Watson Lake) - nutrients and <i>E. coli</i>			
Oak Creek Watershed Oak Creek (– Headwaters to Spring Creek) - <i>E. coli</i> Spring Creek – <i>E. coli</i>			
San Francisco/Blue River Watershed SF River (Blue River to Limestone Gulch) - <i>E. coli</i> SF River (Limestone Gulch to Gila River) – <i>E. coli</i> Blue River (Strayhorse Creek - San Francisco River) – <i>E. coli</i>			
Little Colorado River Headwaters Watershed LCR (West Fork LCR to Lyman Lake) - sediment/turbidity			
San Pedro River Watershed SP River (Babocomari Creek to Dragoon Wash) - <i>E. coli</i>			